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“पुराने को छोड़ नये के तरफ”

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“Step Out From the Old to the New”

IS 8886-15 (1980): Ships' Ordinary Rectangular Windows,
Part XV: Details of Frame, Outward Opening, Side Hinged,
Heavy Type Bolted Windows [TED 17: Shipbuilding]

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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

SPECIFICATION FOR SHIPS' ORDINARY RECTANGULAR WINDOWS

PART XV DETAILS OF FRAME, OUTWARD OPENING, SIDE HINGED, HEAVY TYPE BOLTED WINDOWS

1. Scope — Specifies the dimensions of frame for outward opening, side hinged, heavy type bolted windows.

1.1 This standard applies to both left and right hand opening windows.

2. Terminology — For the purpose of this standard, the terms and definitions given in IS : 8886 (Part I)-1978 'Specification for ships' ordinary rectangular windows: Part I Types and dimensions' shall apply.

3. Material — The material used for the construction of frame shall be according to IS : 8886 (Part II)-1978 'Specification for ships' ordinary rectangular windows: Part II General requirements'.

4. Dimensions

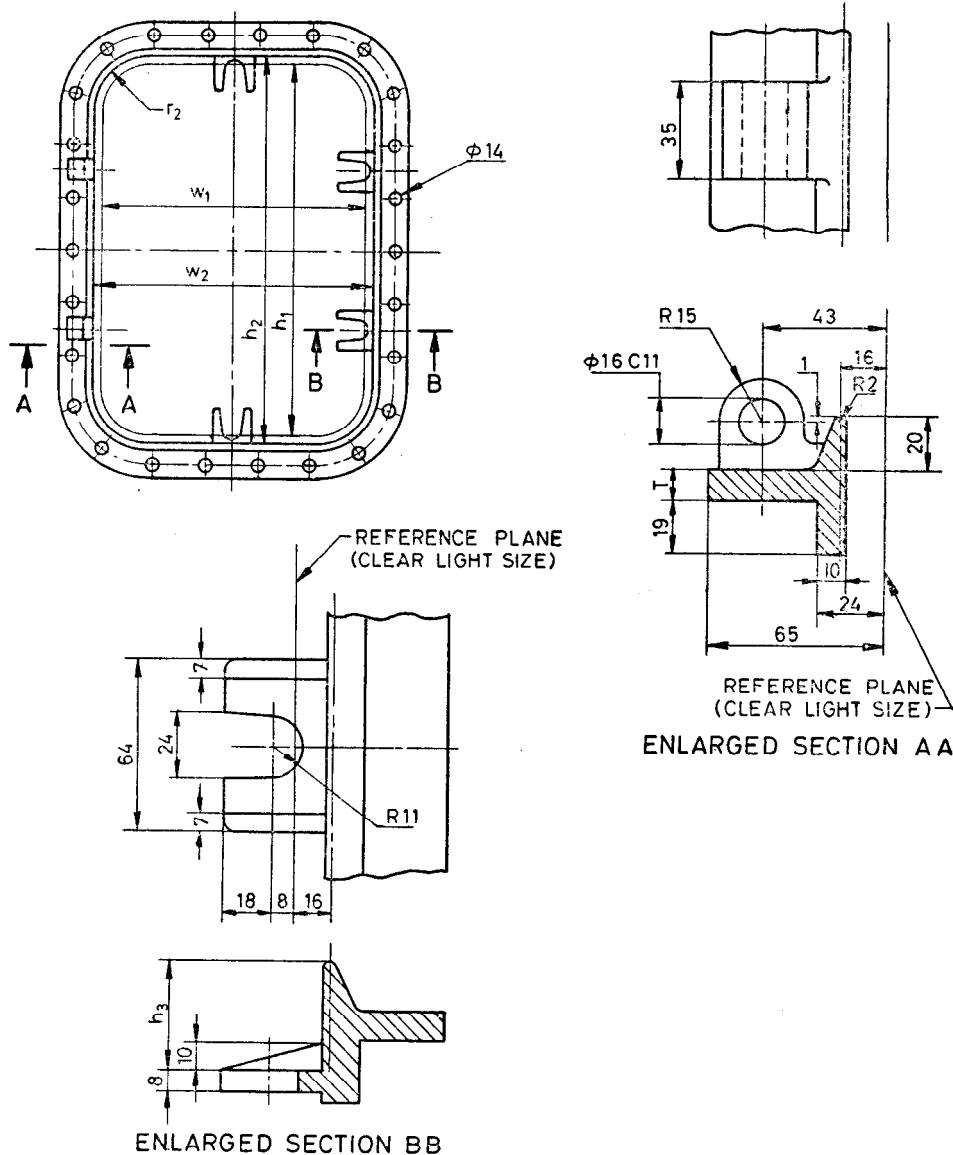
4.1 The dimensions of frame shall be as given in Table 1. For main dimensions of windows see IS : 8886 (Part I)-1978.

4.2 The position of hinges and securing holes on the frame shall be according to IS : 8886 (Part IV)-1980 'Specification for ships' ordinary rectangular windows: Part IV Details of position of lugs for hinges and swing bolts and securing holes on the frame'.

5. Tolerances — The tolerances on dimensions shall conform to coarse series of IS : 2102-1969 'Allowable deviations for dimensions without specified tolerances (first revision)' except on those dimensions indicated in Table 1.

TABLE 1 DIMENSIONS OF FRAME FOR OUTWARD OPENING, HEAVY TYPE BOLTED WINDOWS(*Clauses 4.1 and 5*)

All dimensions in millimetres.



Window No.	Nominal Size $w_1 \times h_1$	$w_2 \times h_2$	r_2	h_3	T	Minimum Number of Closing Devices
1	300 × 425	328 × 453	64	33	7	2
2	355 × 500	383 × 528	64	33	7	2
3	400 × 560	428 × 580	64	35	9	2
4	450 × 630	478 × 658	114	35	9	2
5	500 × 710	528 × 738	114	37	11	4
6	560 × 800	588 × 828	114	37	11	4

E X P L A N A T O R Y N O T E

This standard is one of a series of Indian Standards on ships' rectangular windows. Other standards in the series are:

- Part I Types and dimensions
- Part II General requirements
- Part III Positioning
- Part IV Details of position of lugs for hinges and swing bolts and securing holes on the frame
- Part V Details of frame, inward opening, side hinged, heavy type bolted windows
- Part VI Details of frame, inward opening, side hinged, light type bolted windows
- Part VII Details of frame, inward opening, side hinged, heavy and light type welded windows
- Part VIII Details of frame, inward opening, top hinged, heavy type bolted windows
- Part IX Details of frame, inward opening, top hinged, light type bolted windows
- Part X Details of frame, inward opening, top hinged, heavy and light type welded windows
- Part XI Details of frame, non-opening, heavy type bolted windows
- Part XII Details of frame, non-opening, light type bolted windows
- Part XIII Details of frame, non-opening, heavy type welded windows
- Part XIV Details of frame, non-opening, light type welded windows
- Part XV Details of frame, outward opening, side hinged, heavy type bolted windows
- Part XVI Details of frame, outward opening, side hinged, light type bolted windows
- Part XVII Details of frame, outward opening, side hinged, heavy and light type welded windows
- Part XVIII Details of glass holder, inward opening, side hinged, heavy and light type bolted and welded windows
- Part XIX Details of glass holder, outward opening, side hinged, heavy and light type bolted and welded windows
- Part XX Details of glass holder, top hinged, heavy and light type bolted and welded windows
- Part XXI Details of hinge pin
- Part XXII Details of swing bolts and wing nuts

In the preparation of this standard assistance has been derived from the following:

- ISO 3903-1977 Shipbuilding — Ships' ordinary rectangular windows. International Organization for Standardization (ISO)
- DIN 81650-1967 Rectangular windows for ships, directives for construction. Deutsches Institut für Normung.